

IN THE CLAIMS:

1. (Original) A vehicular remote control system comprising: a mobile unit carried by a driver and having a plurality of transmission antennas; and a vehicle unit mounted on a vehicle,

wherein said mobile unit sequentially receives signals transmitted from at least one of the transmission antennas to measure the reception intensities of the individual response signals, and then transmits the information on those reception intensities all at once to said vehicle unit, and

wherein said vehicle unit locates said mobile unit on the basis of the reception intensity information transmitted from said mobile unit, and executes an arbitrary processing action according to the location of said mobile unit.

2. (Original) A vehicular remote control system comprising: a mobile unit carried by a driver and having a plurality of transmission antennas; and a vehicle unit mounted on a vehicle,

wherein said mobile unit sequentially receives signals transmitted from at least one of the transmission antennas to measure the reception intensities of the individual response signals, and then locates said mobile unit on the basis of pieces of information of said reception intensities, and transmits the location result to said mobile unit, and

wherein said vehicle unit executes an arbitrary processing action according to the location result transmitted from said mobile unit.

3. (Currently Amended) A vehicular remote control system according to Claim 1 ~~or 2~~,

wherein said arbitrary processing action is an operation relating at least to a locking of a door, an unlocking of a door and an opening of a trunk, and performs: the locking/unlocking of an arbitrary door in case said mobile unit is located near said arbitrary door; the opening of a trunk in case the mobile unit ~~same~~ is located near said trunk, or the warning with a horn, a buzzer vibration, and electric sound or another sound.

4. (Currently Amended) A vehicular remote control system according to Claim 1 ~~or 2~~,

wherein of the signals transmitted from all or not less than one of said transmission antennas, the signals other than that transmitted at first are exclusively dummy signals aiming mainly at measurements of the reception intensities at said mobile unit.

5. (New) A vehicular remote control system according to Claim 2,

wherein said arbitrary processing action is an operation relating at least to a locking of a door, an unlocking of a door and an opening of a trunk, and performs: the locking/unlocking of an arbitrary door in case said mobile unit is located near said arbitrary door; the opening of a trunk in case the mobile unit is located near said trunk, or the warning with a horn, a buzzer vibration, and electric sound or another sound.

6. (New) A vehicular remote control system according to Claim 2,
wherein of the signals transmitted from all or not less than one of said transmission antennas, the signals other than that transmitted at first are exclusively dummy signals aiming mainly at measurements of the reception intensities at said mobile unit.